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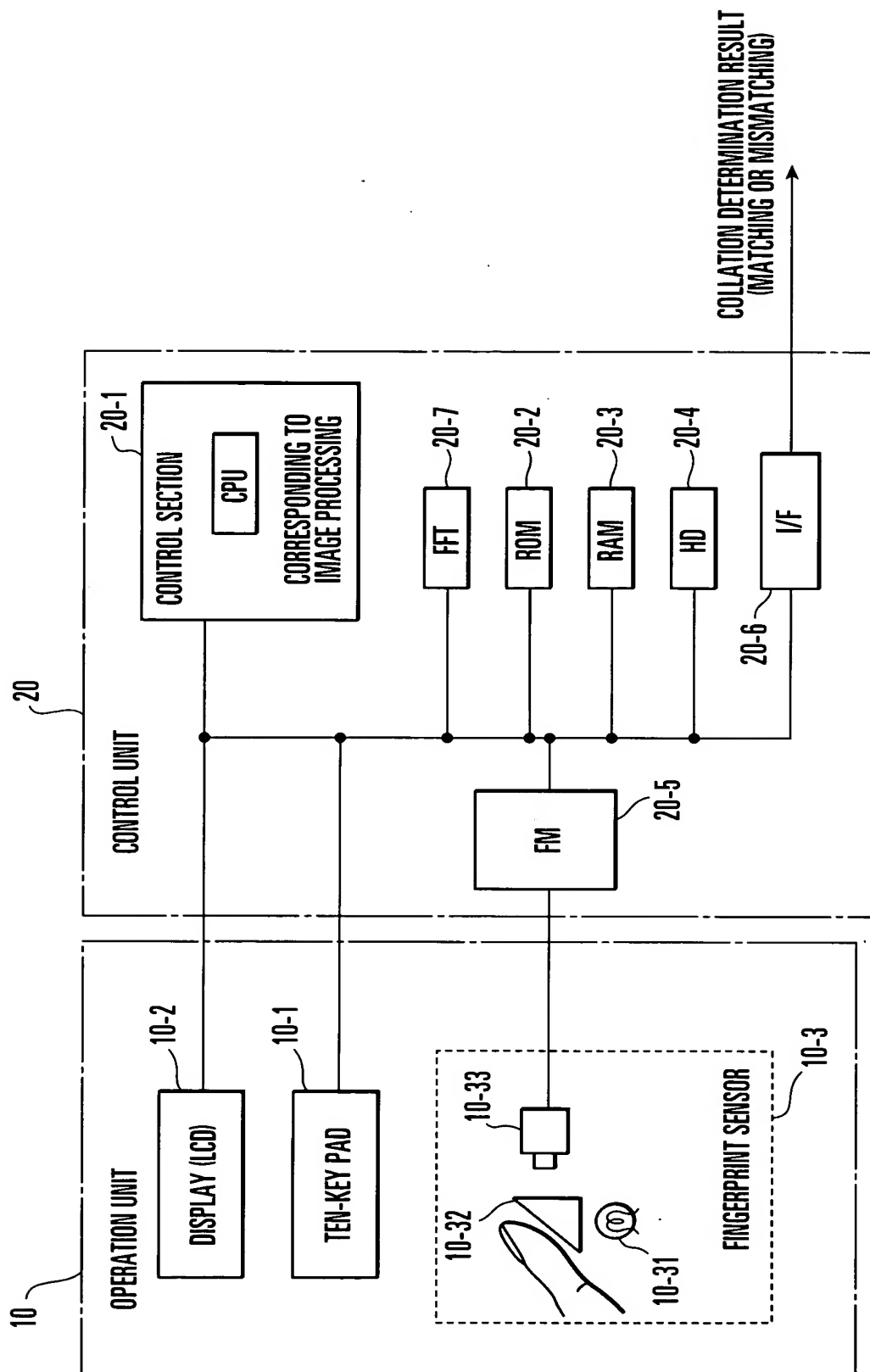


FIG. 1

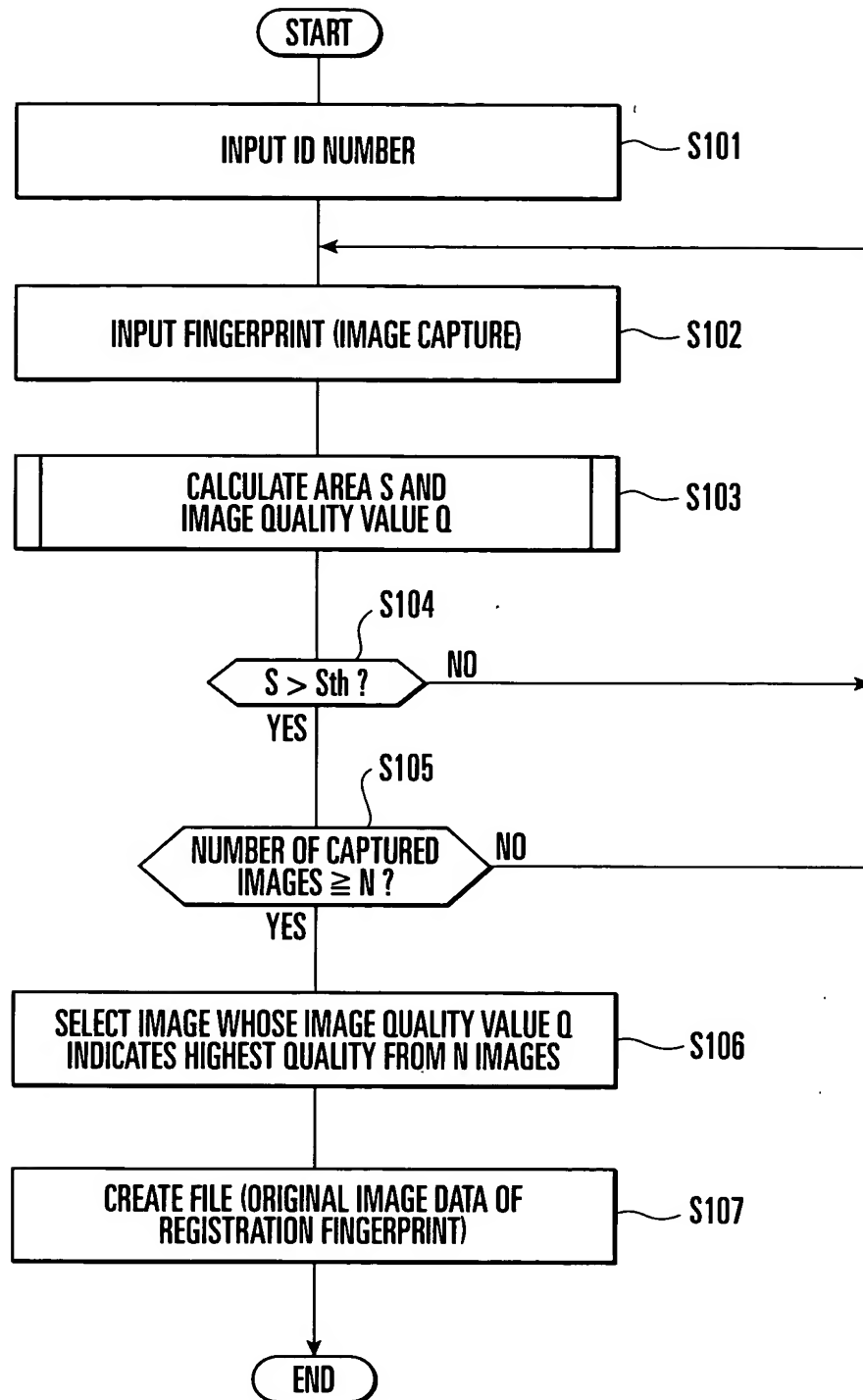


FIG. 2

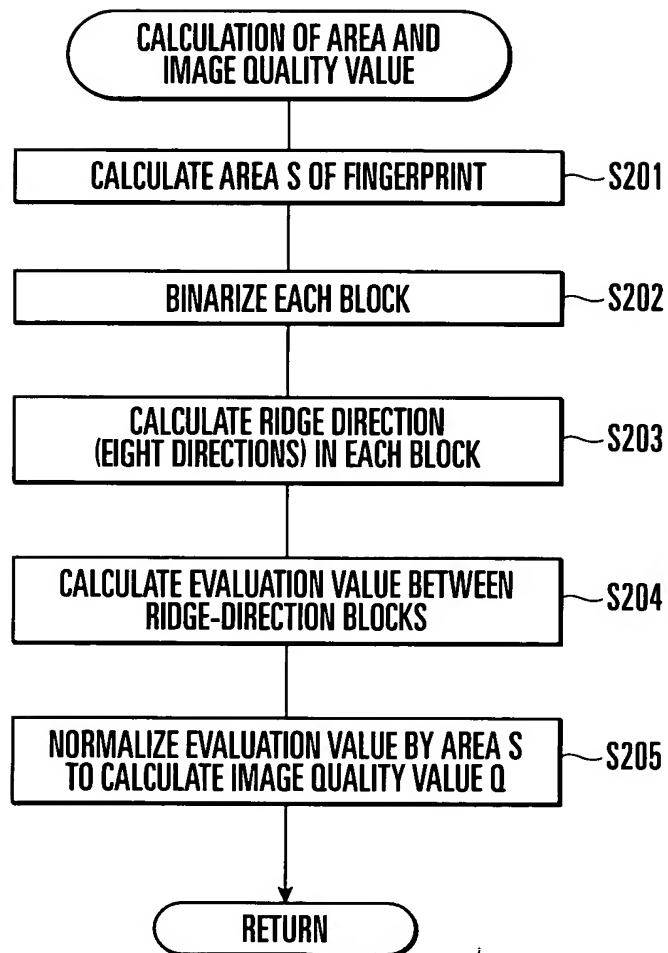


FIG. 3

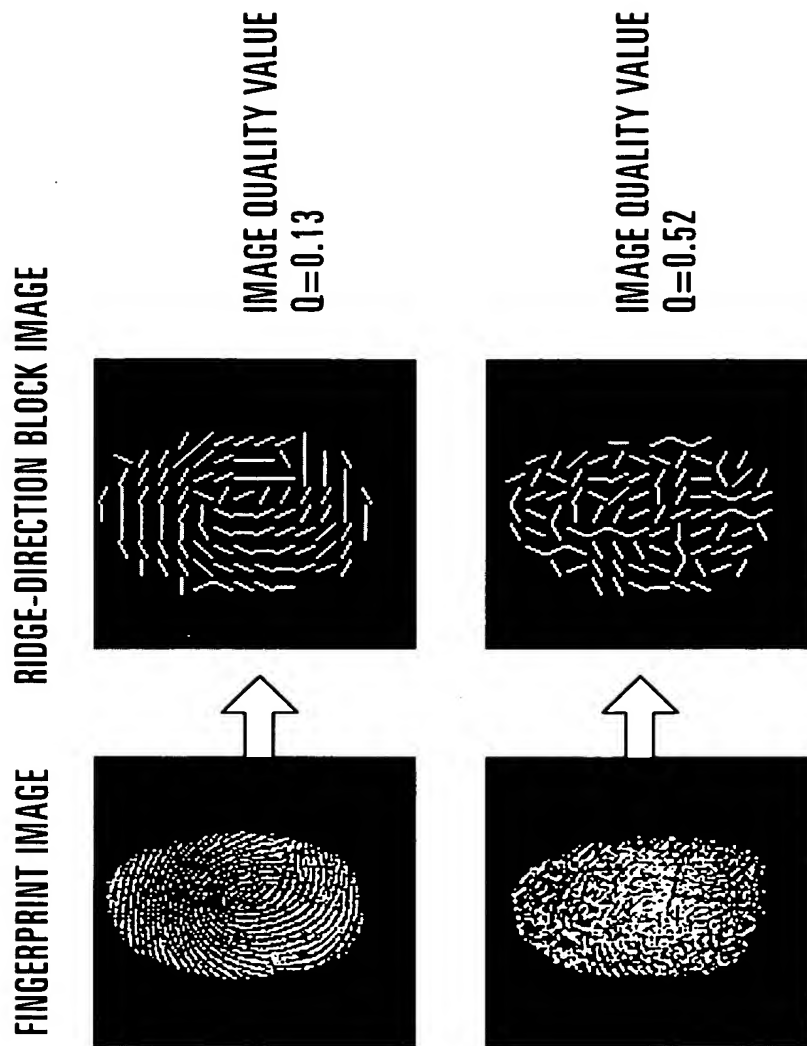


FIG. 4A

FIG. 4B

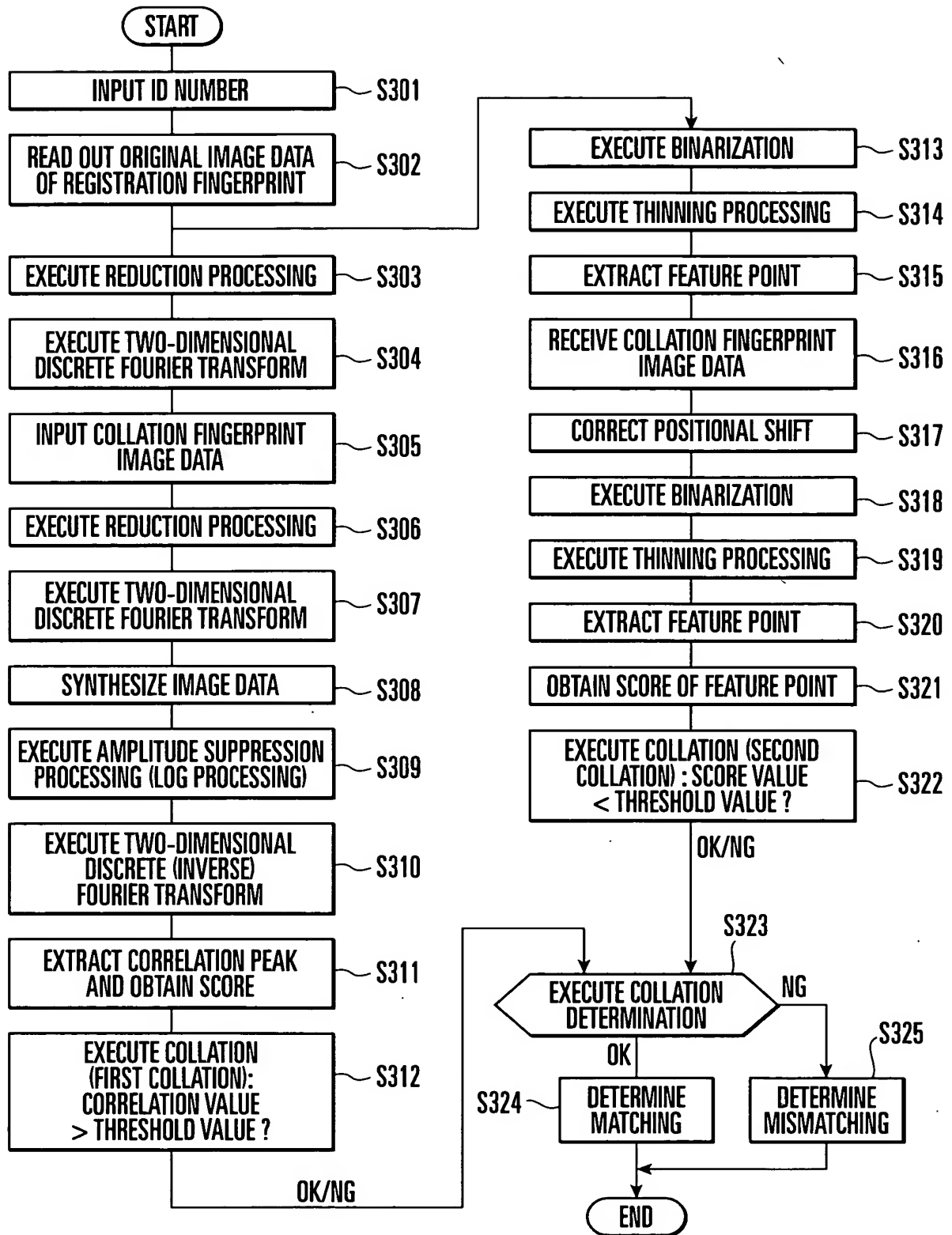


FIG. 5

FIG.6A



FIG.6B



FIG.6C



FIG.6D

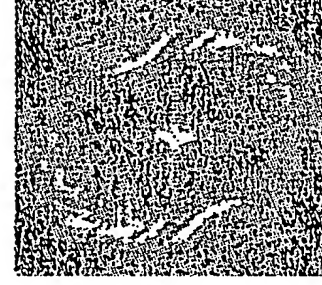


FIG.6E



FIG.6F

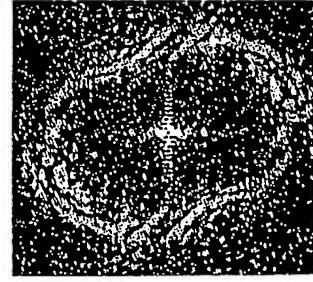
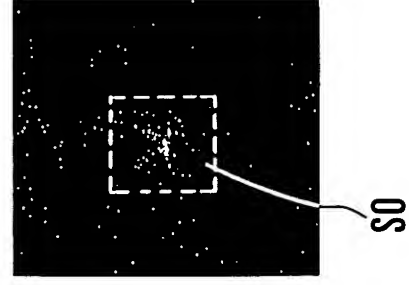


FIG.6G



FIG.6H



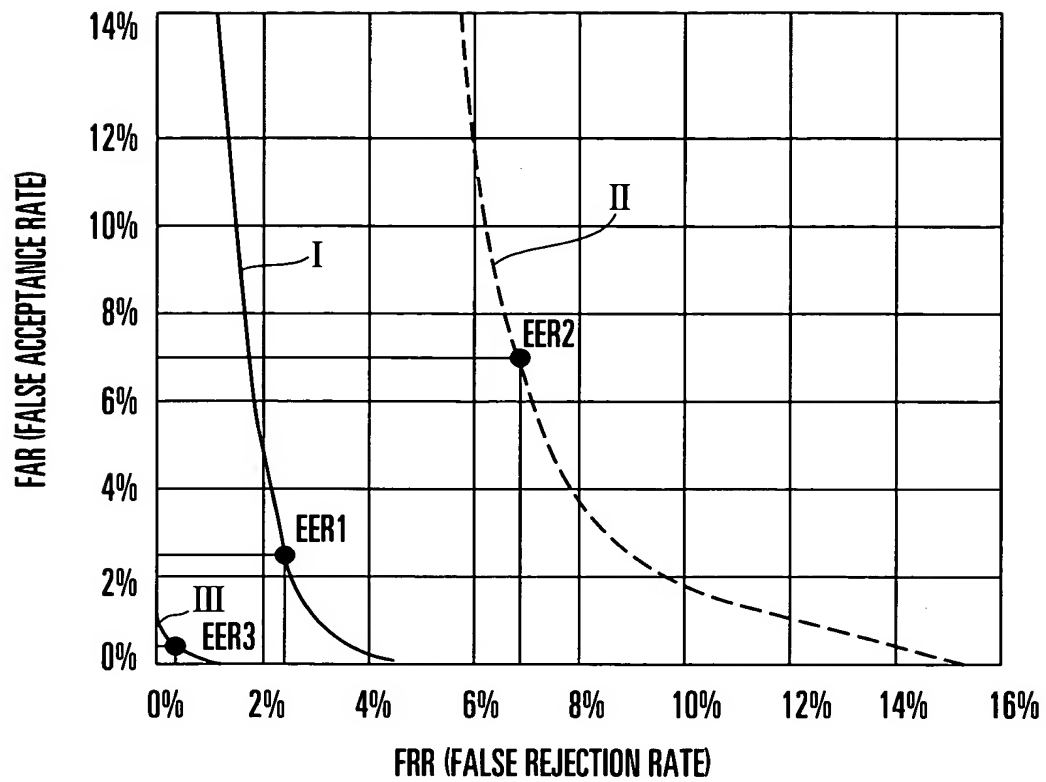


FIG. 7

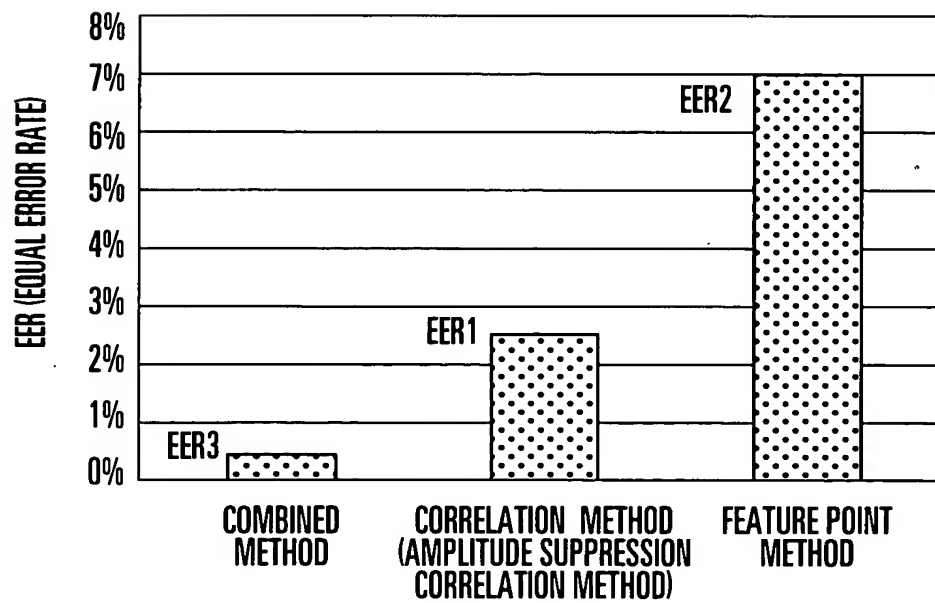


FIG. 8

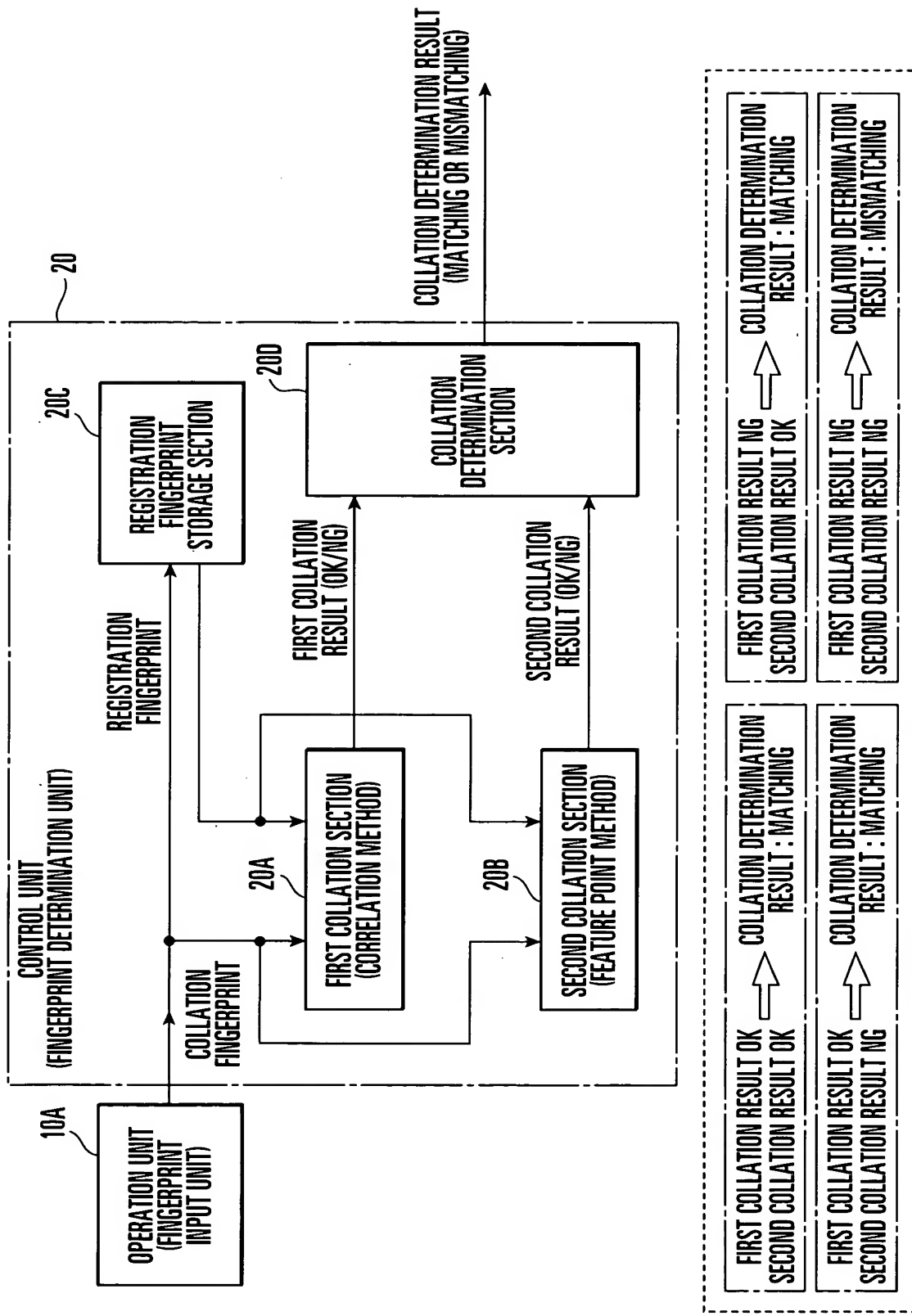


FIG. 9

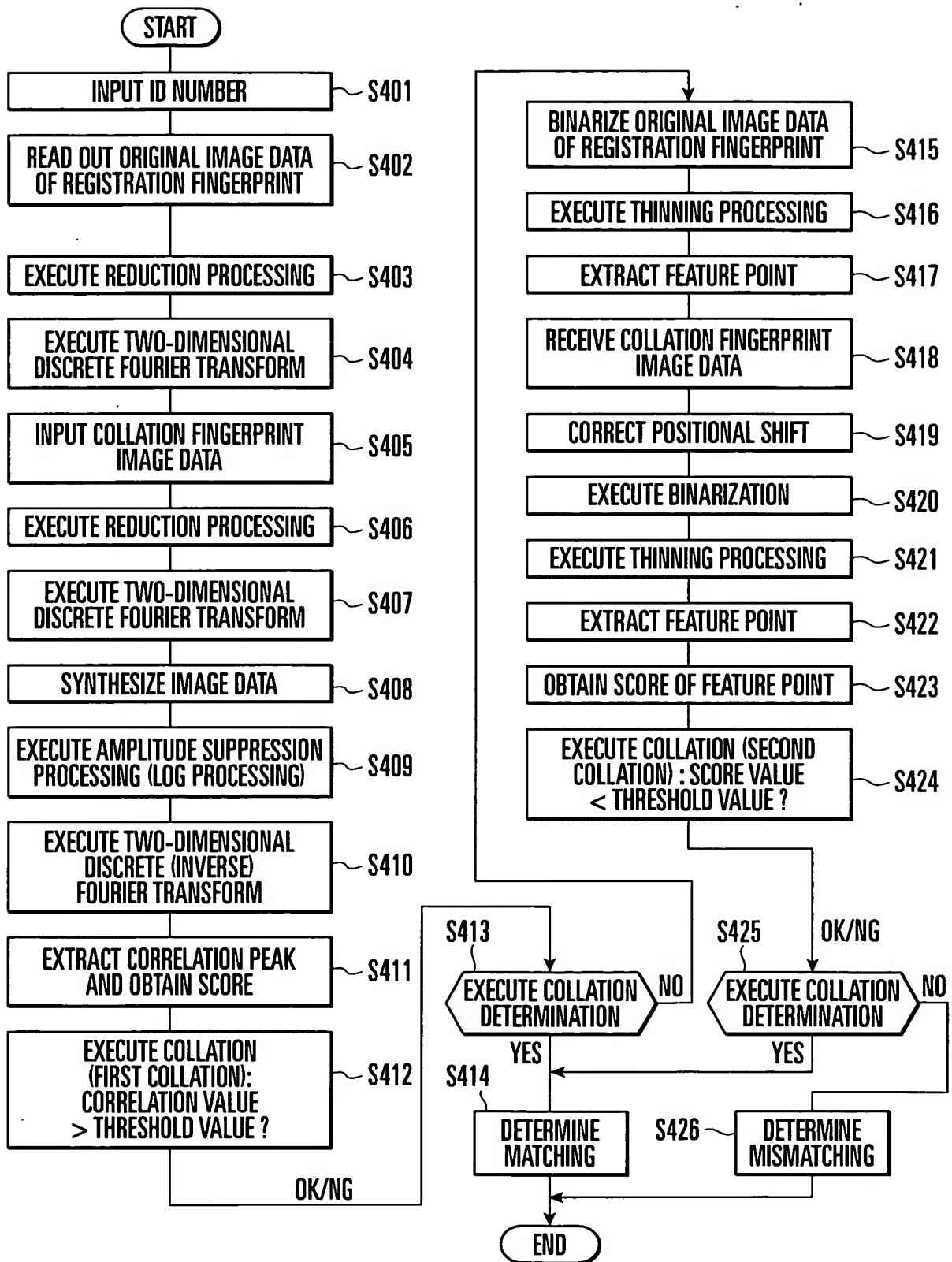


FIG. 10

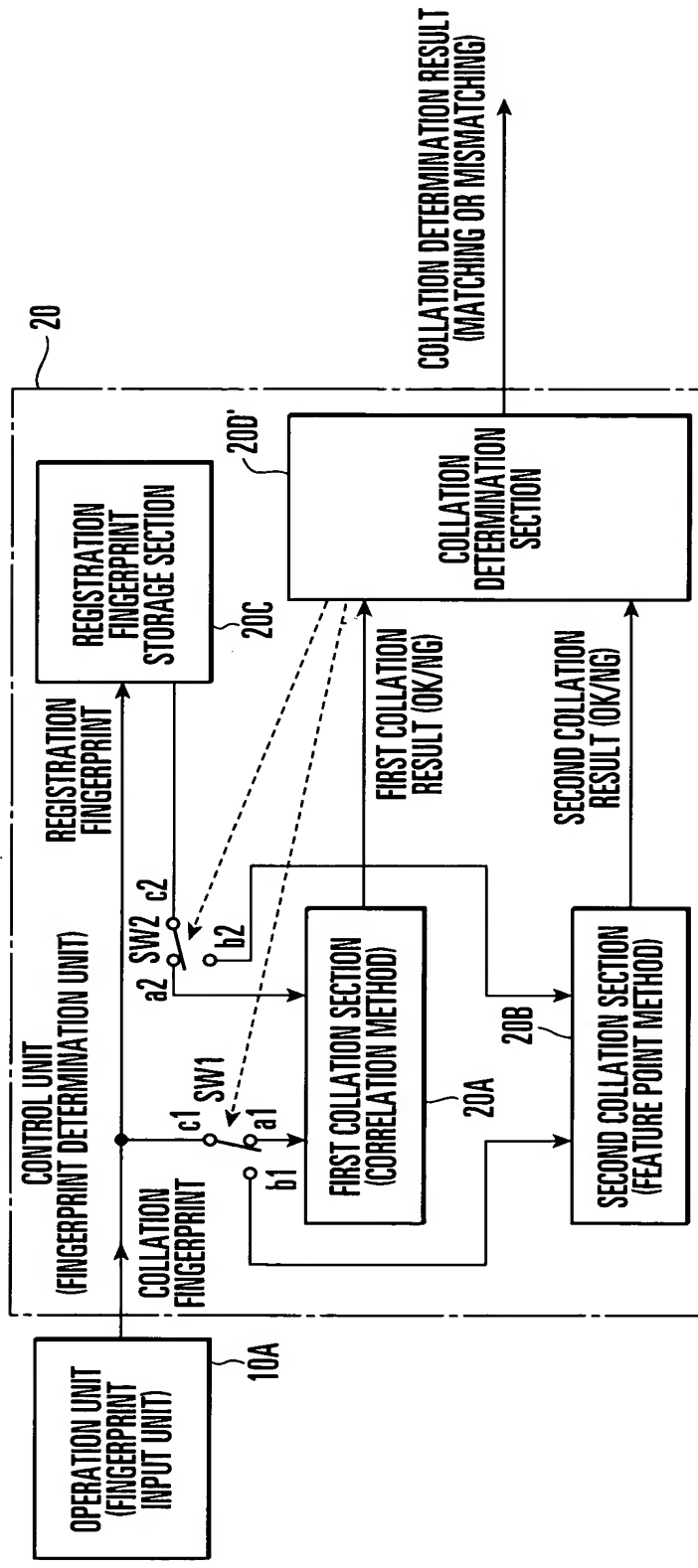


FIG. 11

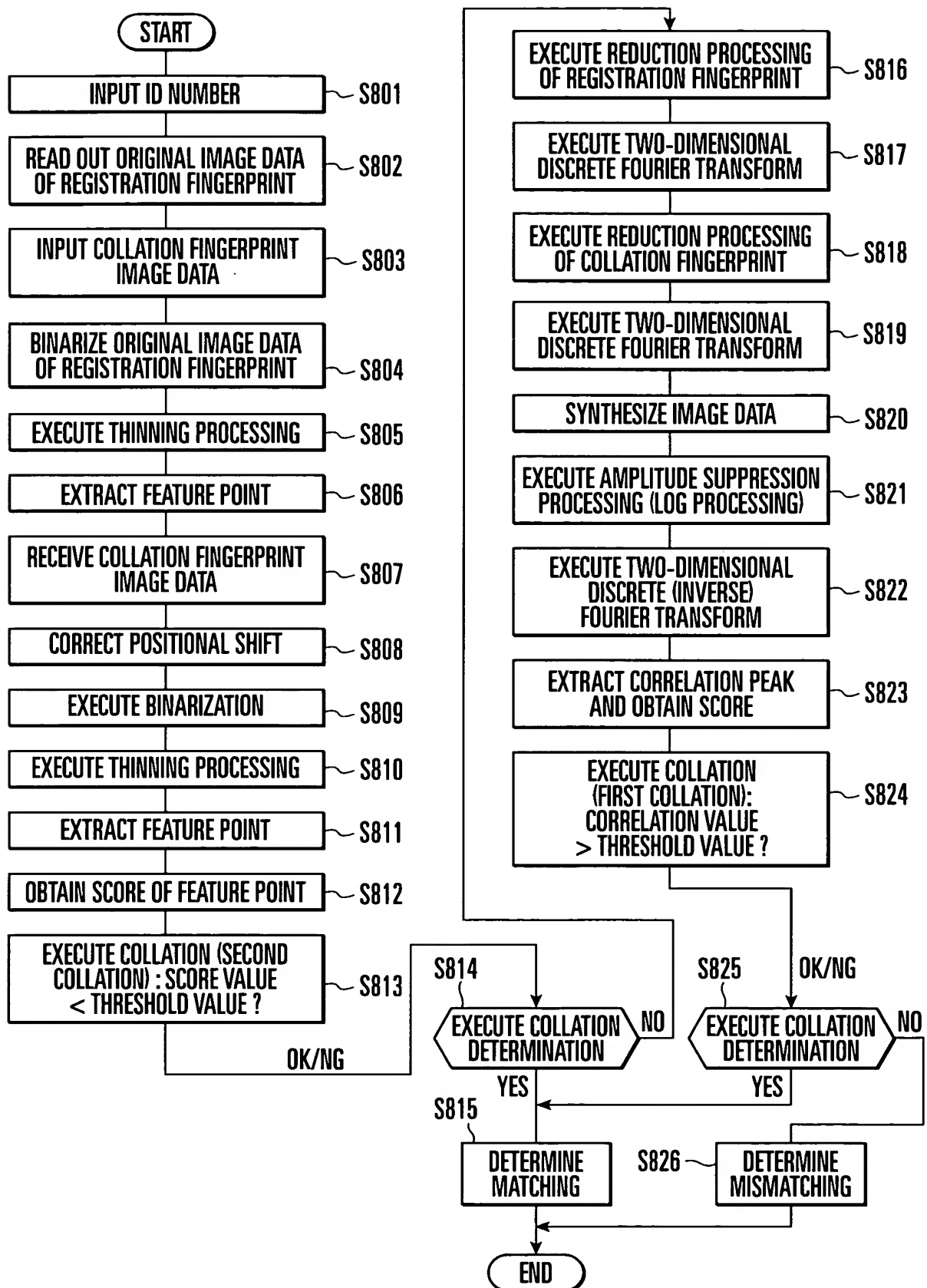


FIG. 12

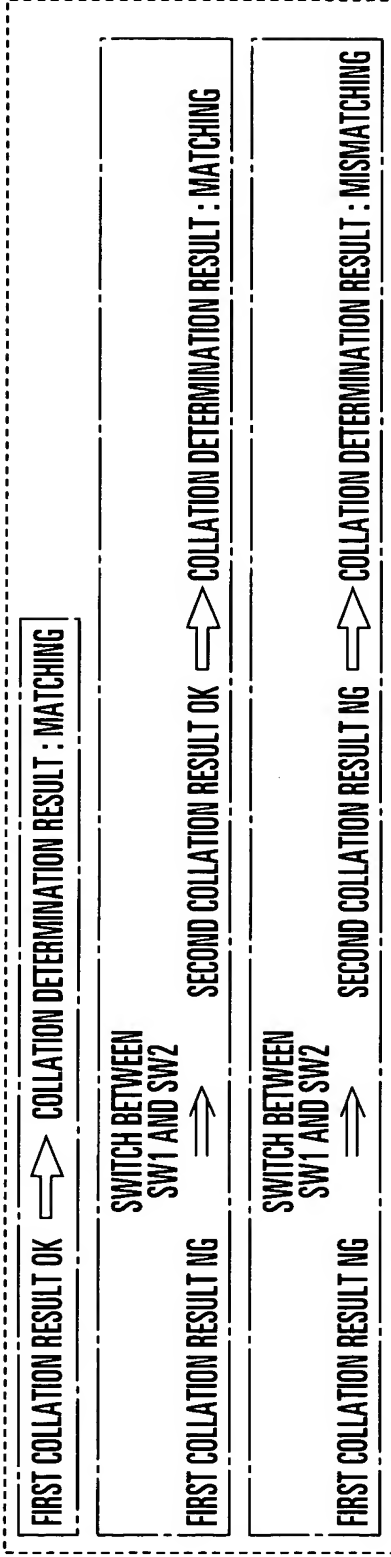
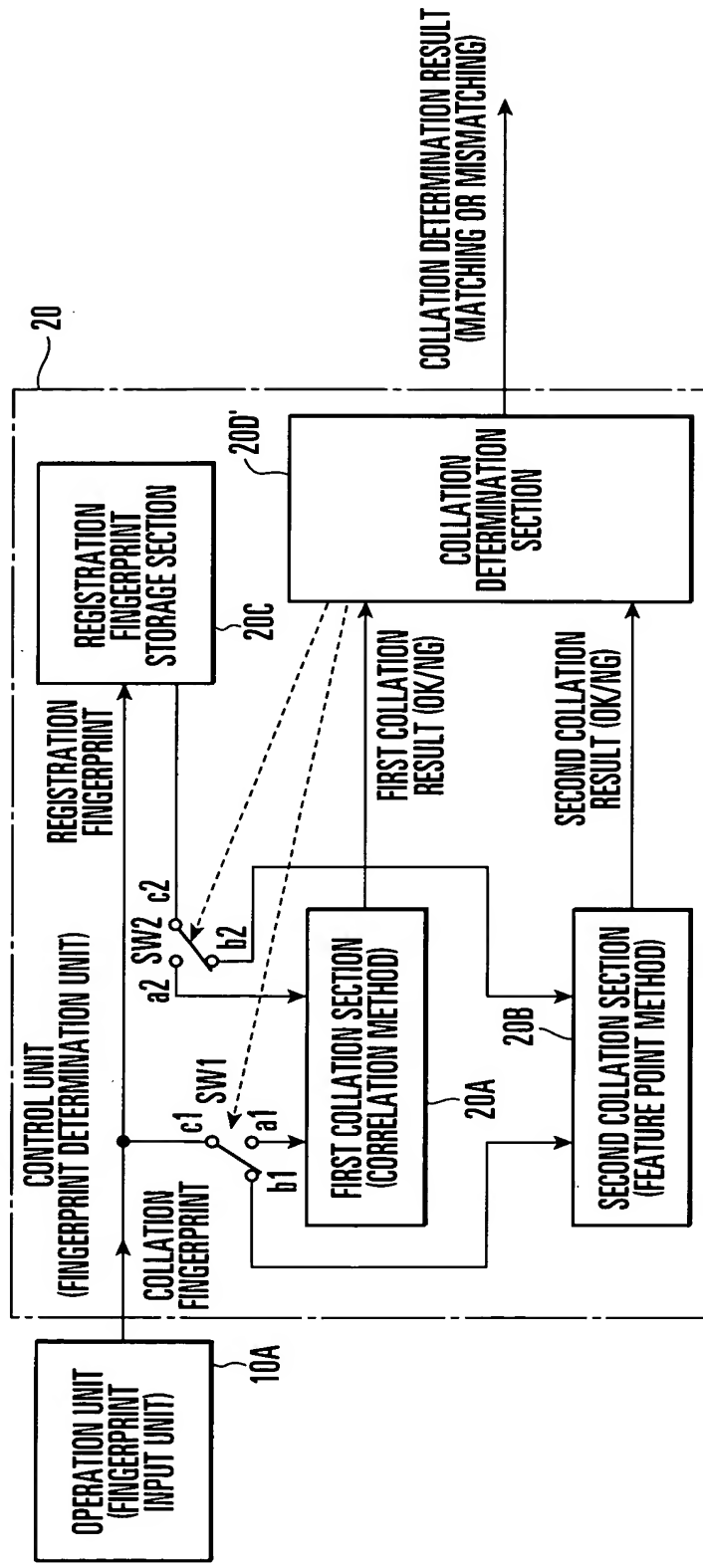


FIG. 13

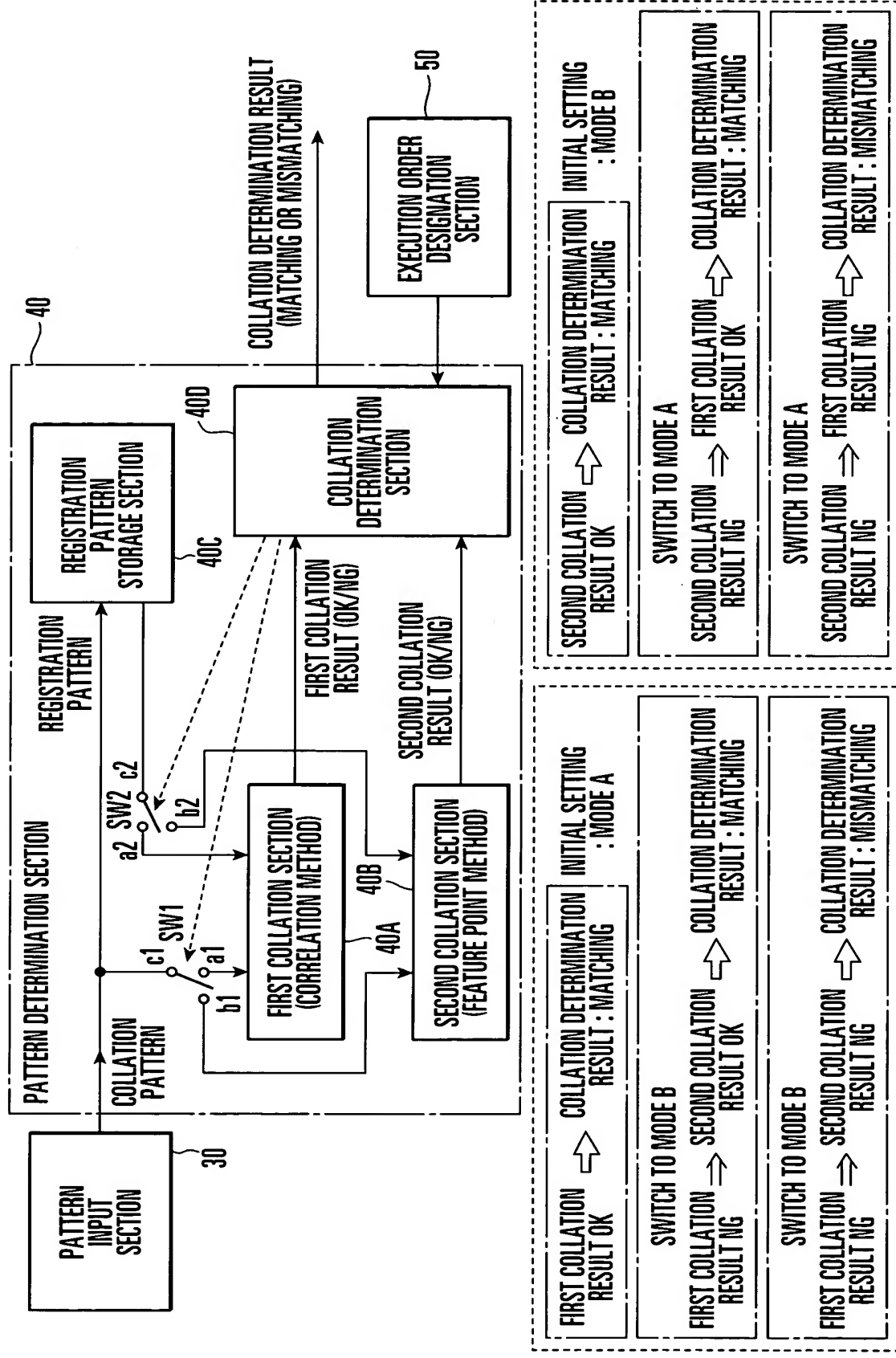


FIG. 14

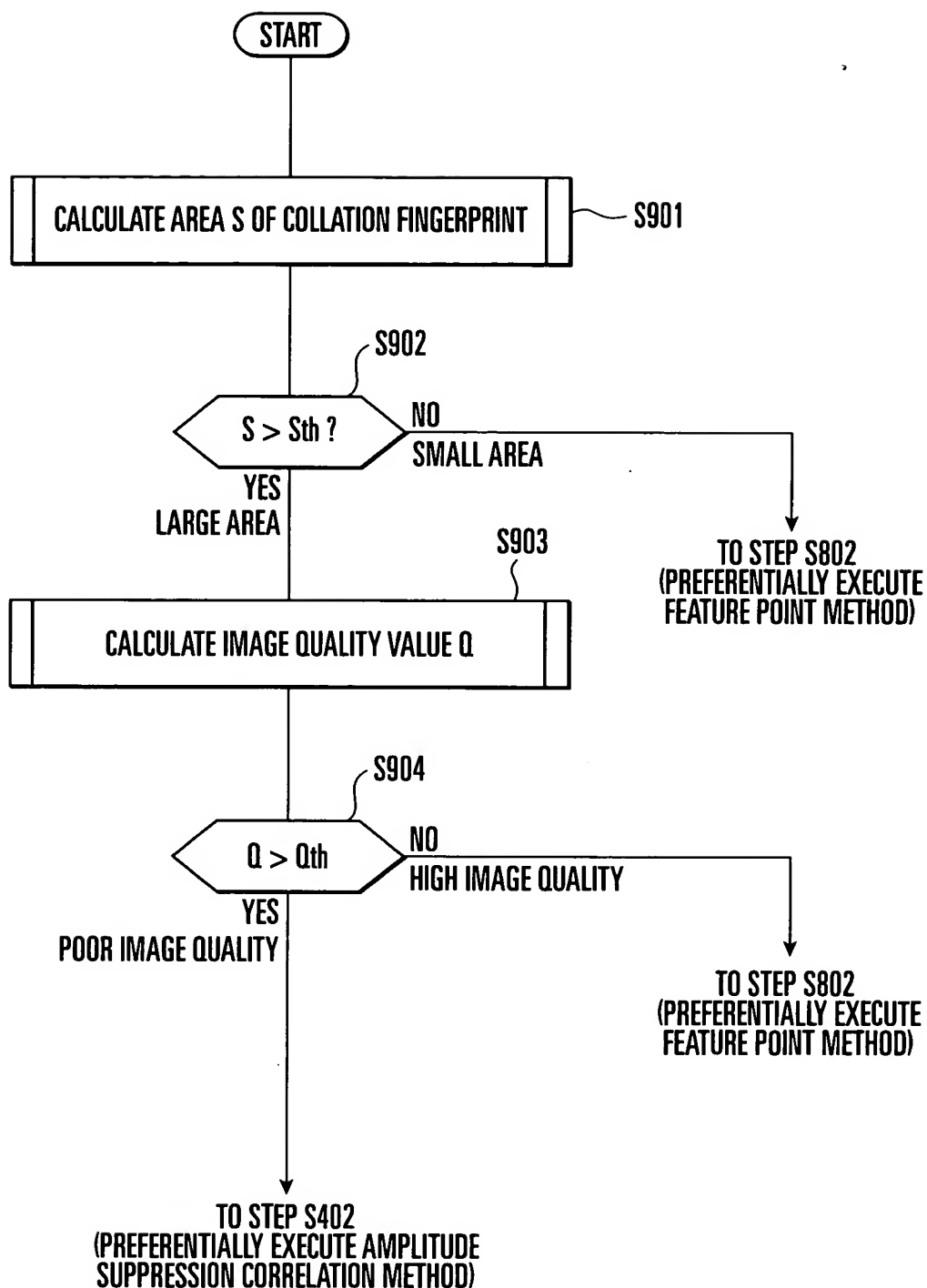


FIG. 15

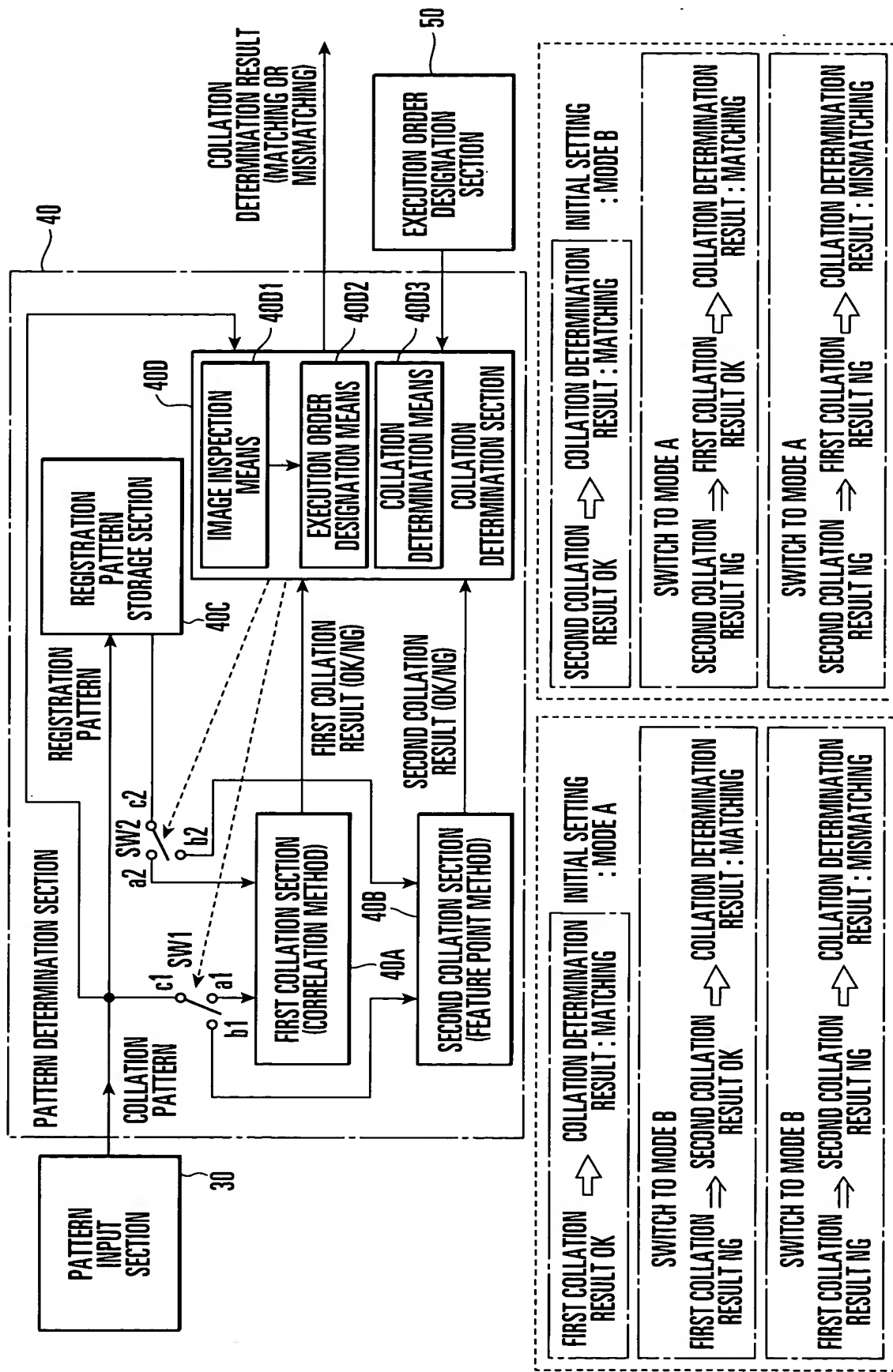


FIG. 16

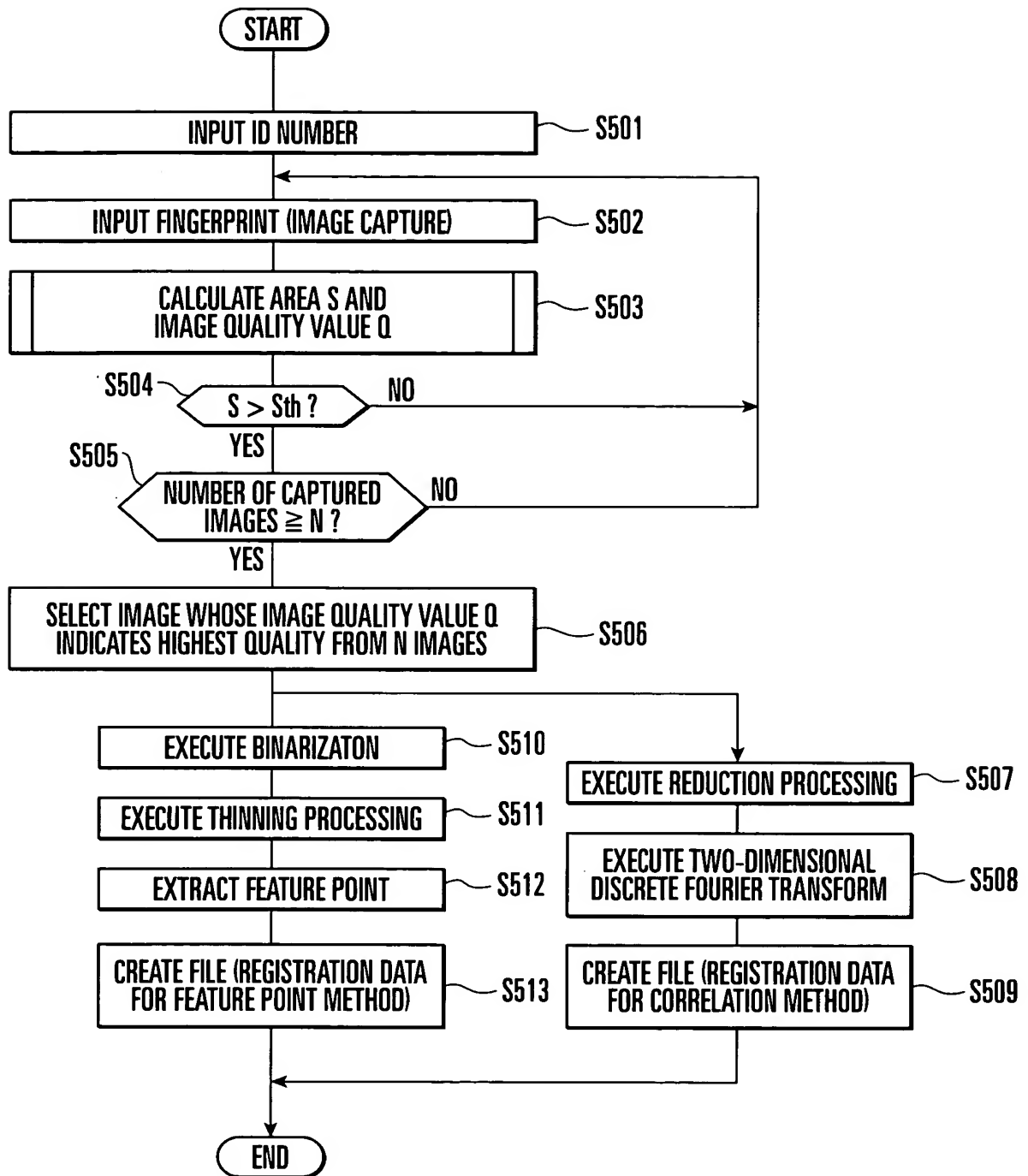


FIG. 17

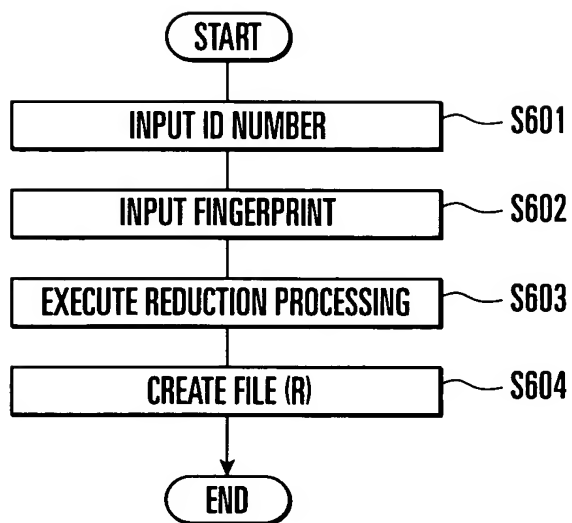


FIG. 18

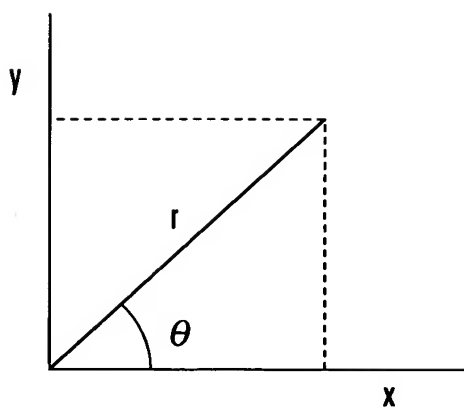


FIG. 19A

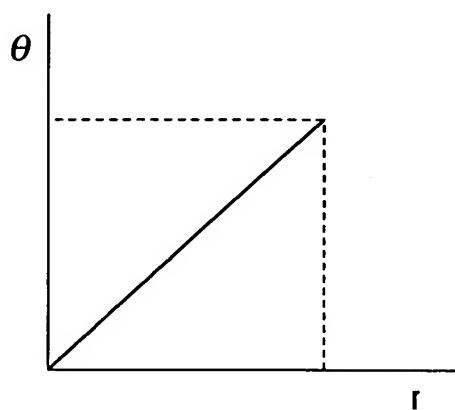


FIG. 19B

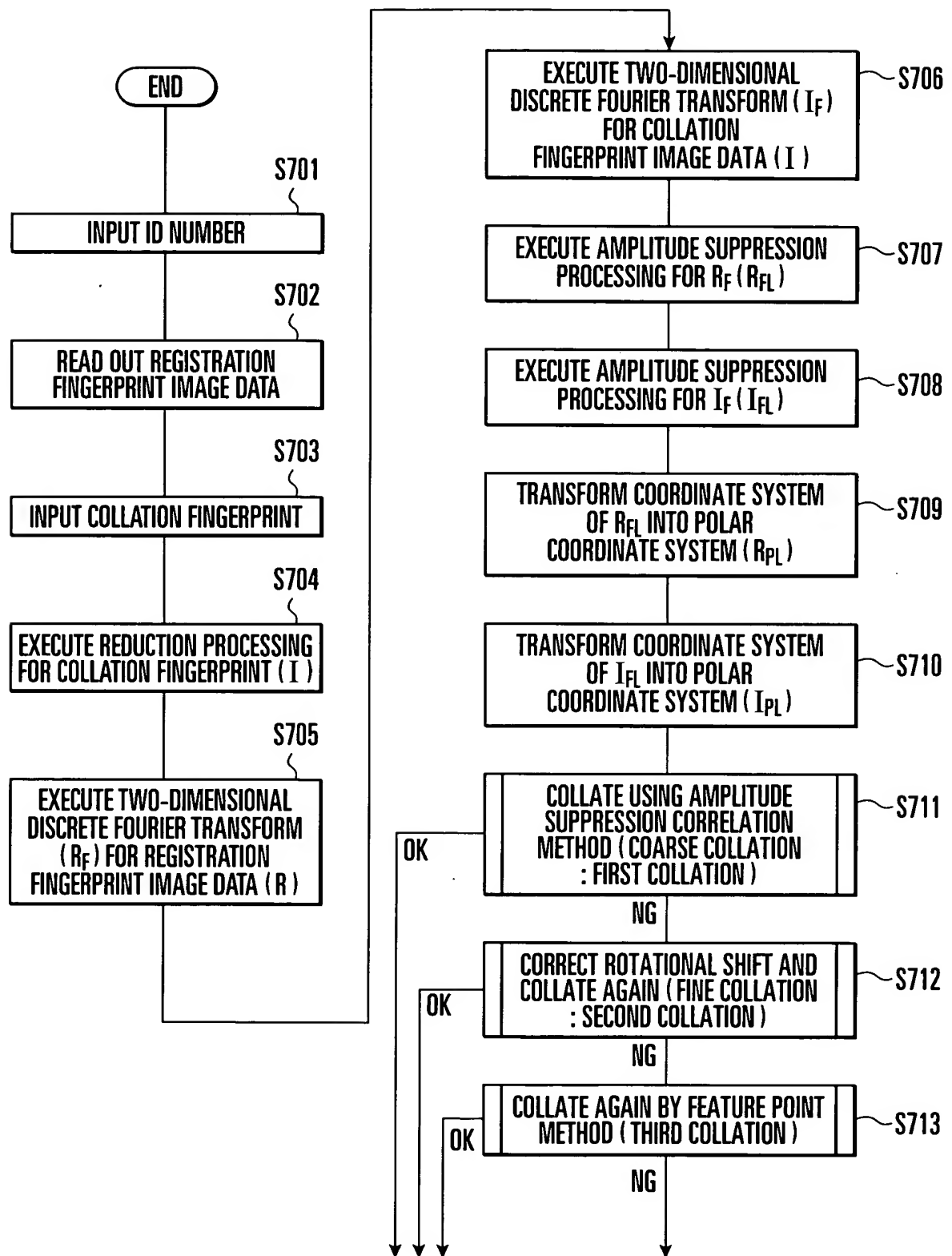
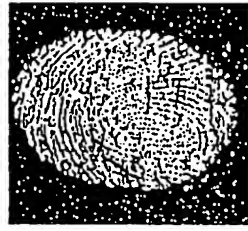


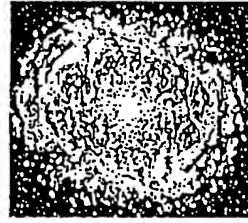
FIG. 20

COARSE COLLATION

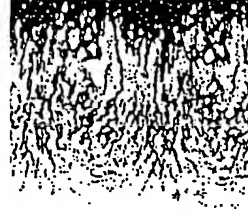
FIG.21A FIG.21C FIG.21E



R

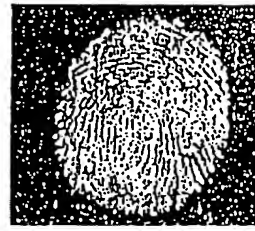


R_F

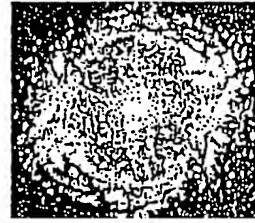


R_{PL}

FIG.21B FIG.21D FIG.21F



I

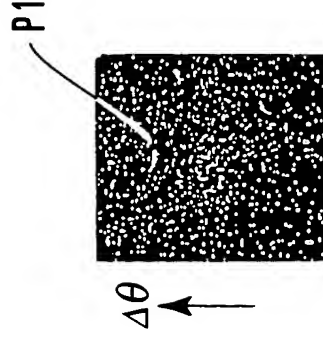


I_F



I_{PL}

FIG.21G



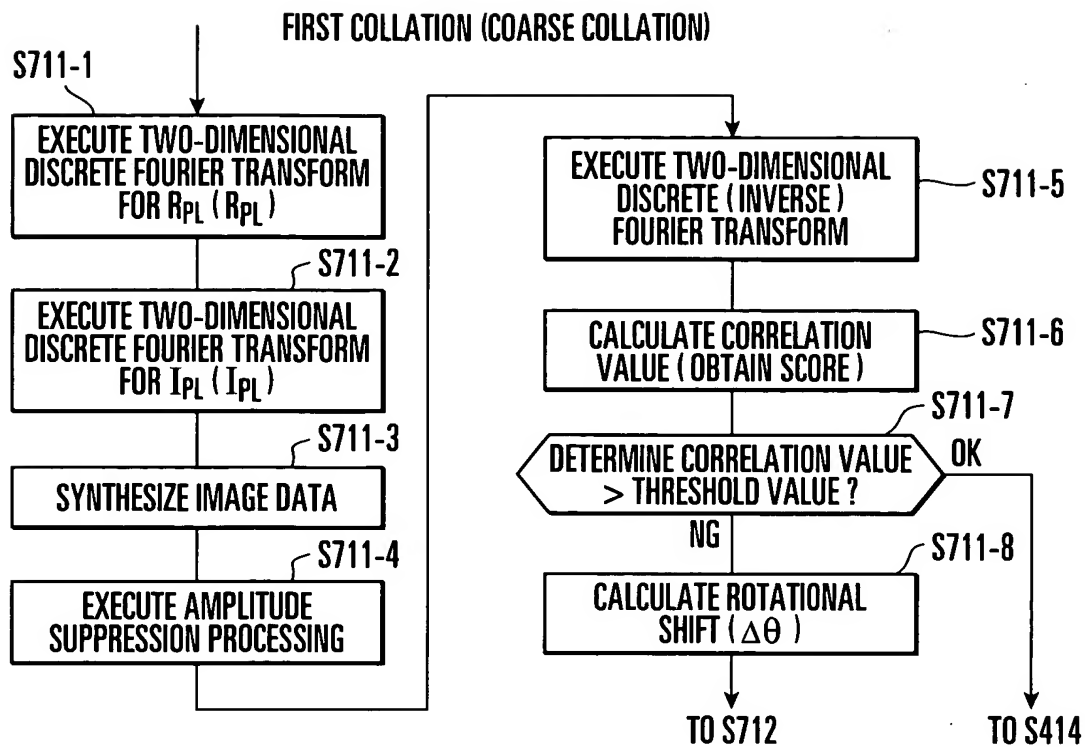


FIG. 22

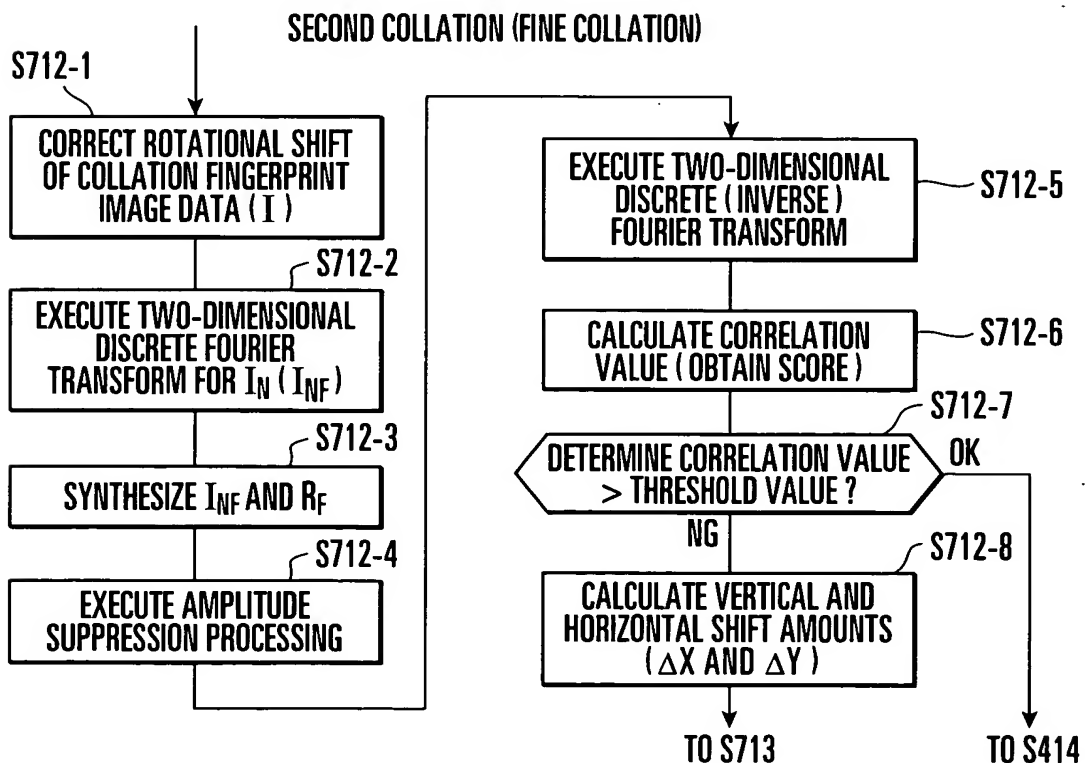


FIG. 23

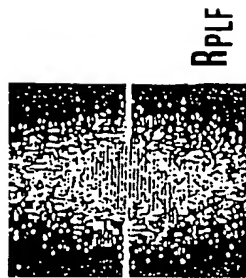


FIG.24C

FIG.24A

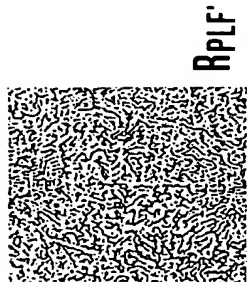


FIG.24G

FIG.24D

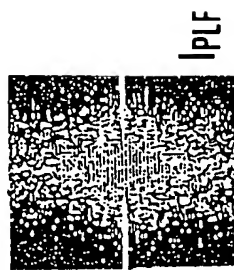
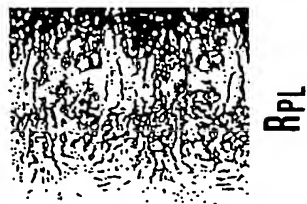


FIG.24E

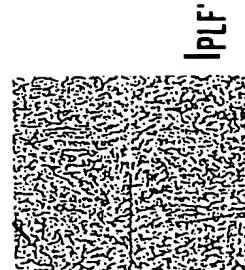


FIG.24F

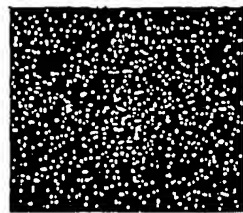


FIG.24H

FINE COLLATION

FIG. 25A



FIG. 25C



FIG. 25D



FIG. 25B

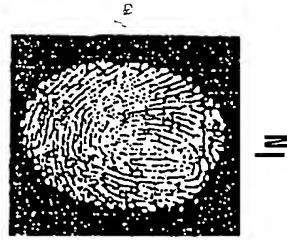


FIG. 25E

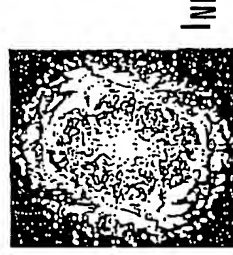


FIG. 25F

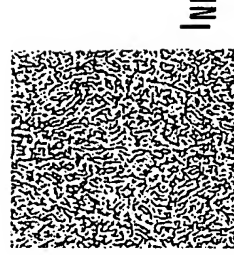
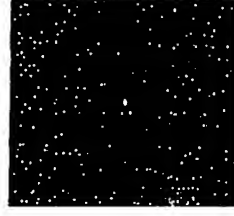


FIG. 25G



FIG. 25H



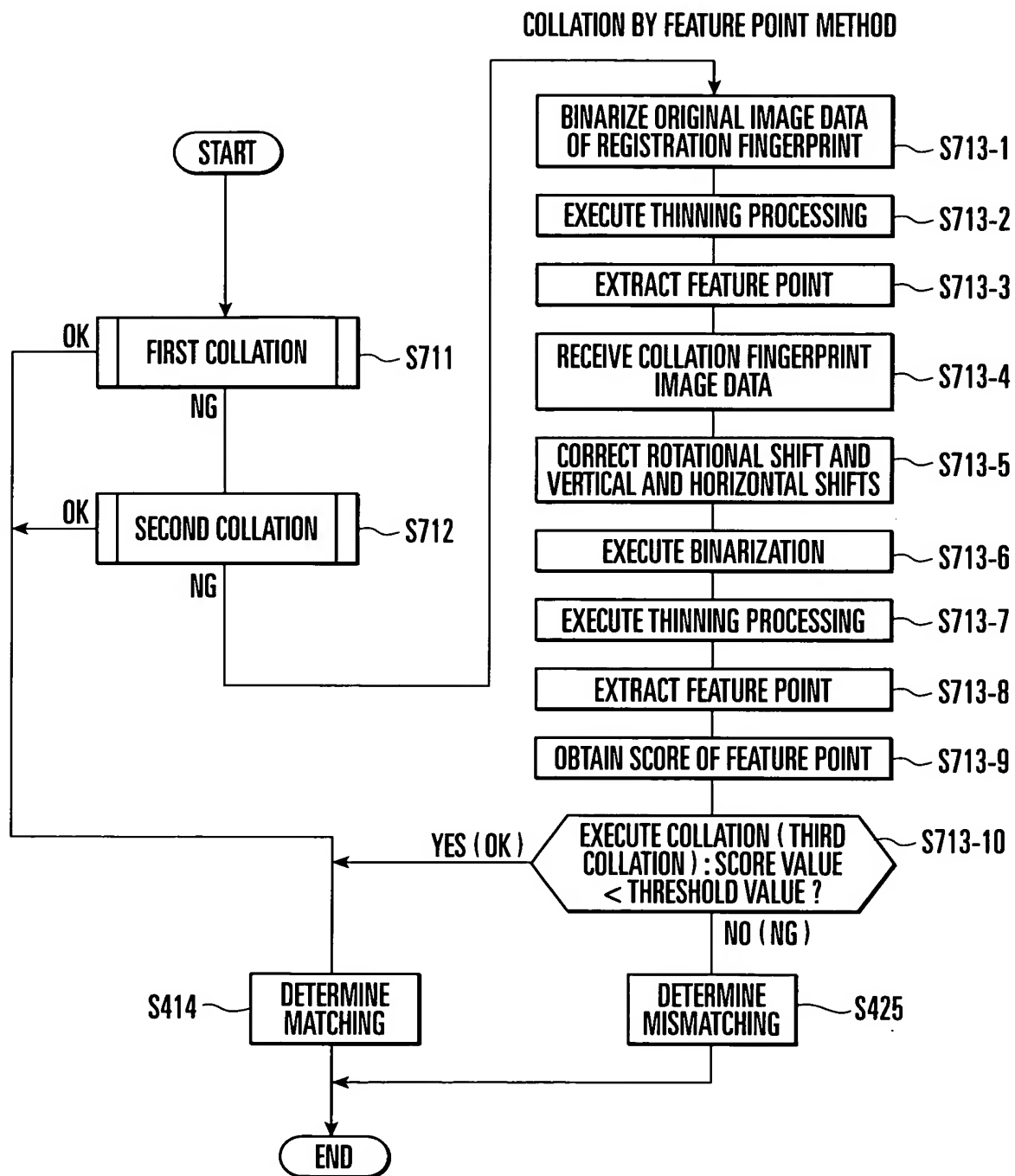


FIG. 26

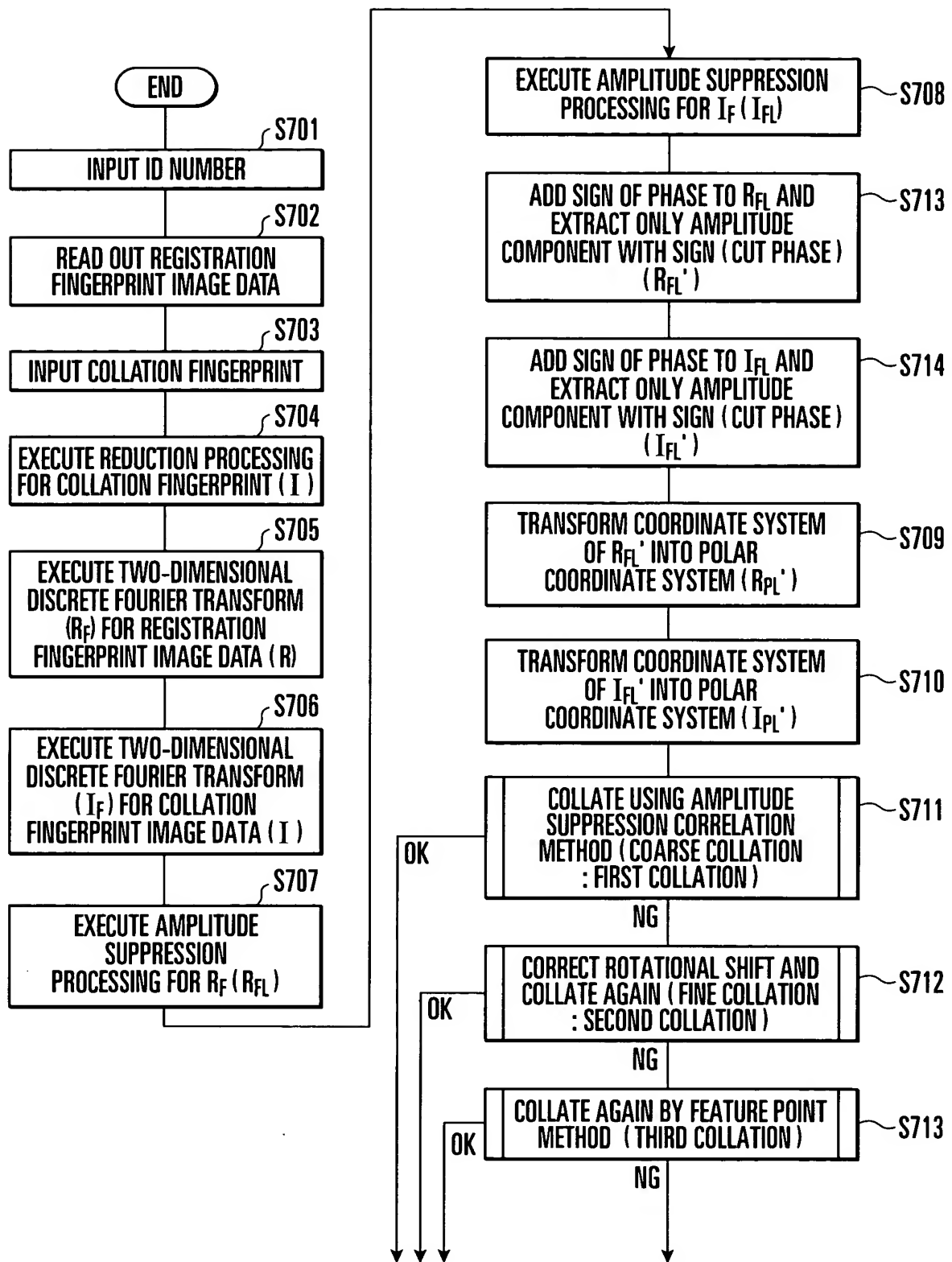


FIG. 27

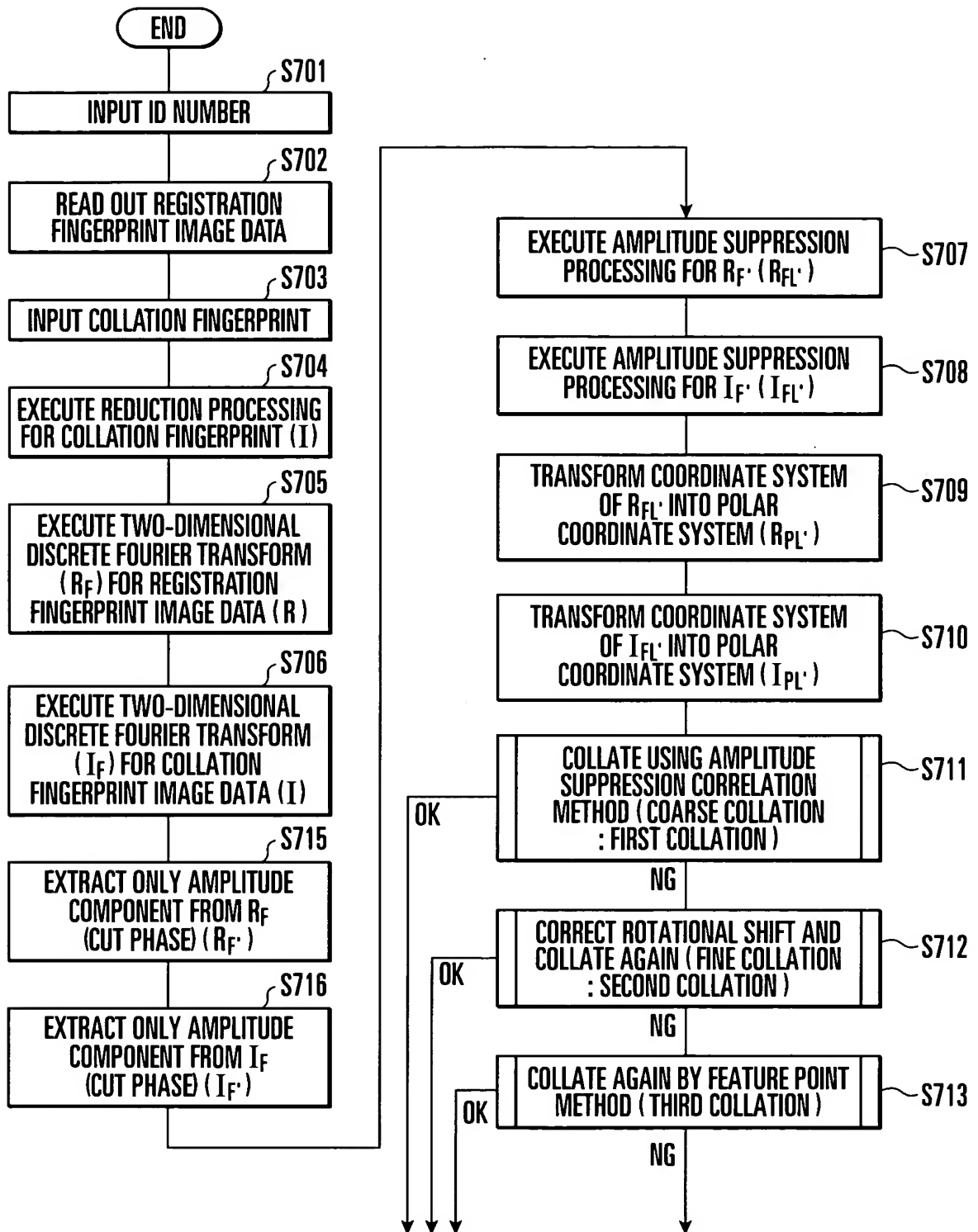
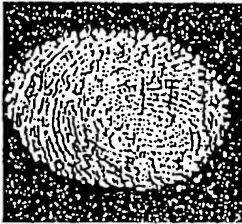


FIG. 28

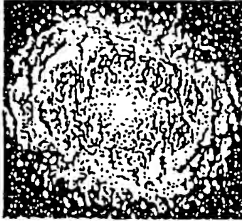
COARSE COLLATION

FIG. 29A



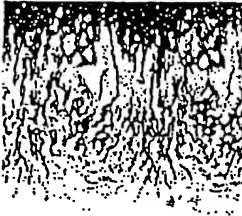
R

FIG. 29C



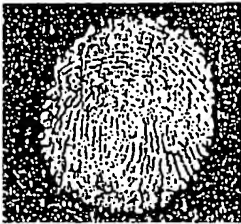
Rf

FIG. 29E



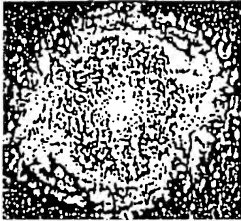
RPl'

FIG. 29B



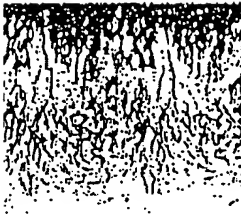
I

FIG. 29D



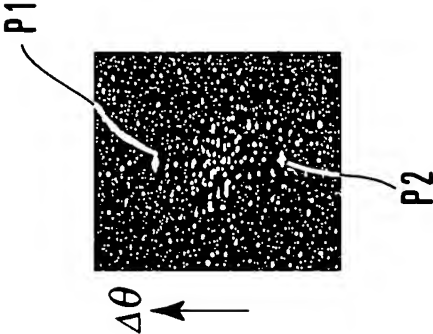
If

FIG. 29F



IPl'

FIG. 29G



IMAGES THAT EXHIBIT DISTORTED PATTERNS DUE TO CHAPPY SKIN

FIG.30A

REGISTRATION

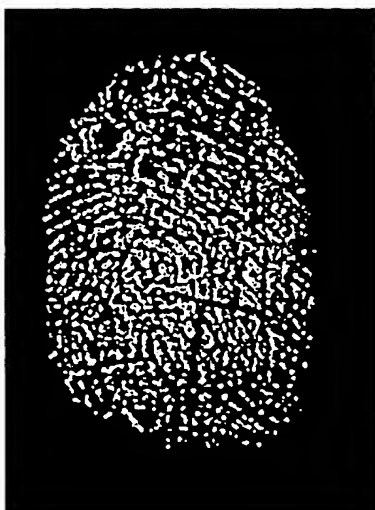


FIG.30B

COLLATION

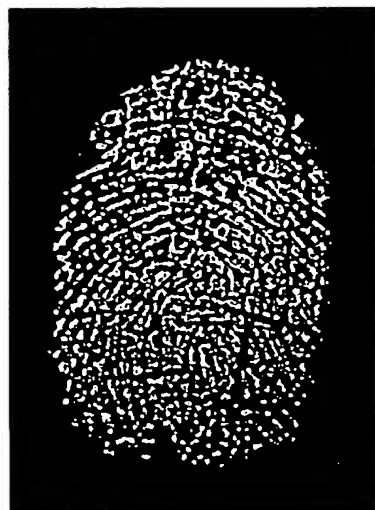


FIG.31A

REGISTRATION

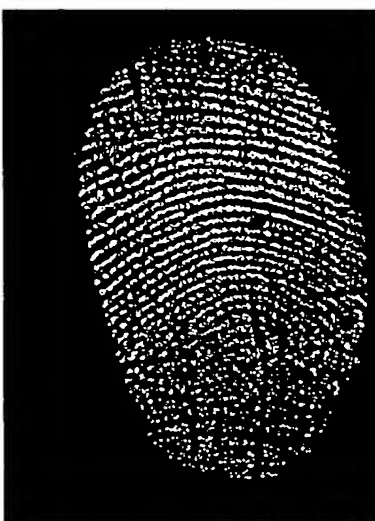


FIG.31B

COLLATION



FINGERTIP